

Work Order ID 56815

Wednesday, March 10, 2010 2:20:37 PM

Page 1

Item ID: D350-561-141

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 3/12/2010 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: MF

Date: 10-3-10

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

N/A

Rev N/A

100



DC

Document Control

DOCUMENT CONTROL

0.00

Memo

0.00

Photocopy bluefile and create labels per PPP D350-561-141 CHG003

5/10/15

H. G. PG 10/03/15 PHO

Pick kit

110



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

5/10/15

④

P. 3/15 ④

120



Packaging

Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D350-561-141

NVC

C. 3/20 ④

W/O: 56815		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10/03/15	#	ADD * step to Pick Kit (stores).	HA	10.03.15			S 10/03/15	

Part No: D350-561-141 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Accept

Revision ID:

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Required Date: 3/12/2010 Req'd Qty: 1.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/03/15
ME
10-3-15

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Picklist Print

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Work Order ID: 56815

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

Comments: IPP A 07.07.26 new issue (DSI9379) EC verified by:JLM IPP rev
B 10.02.16 per ecn 10-523 EC verified by: DD

Start Date: 3/10/2010

Required Date: 3/12/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2011-101 6" Mirror		Manufactured	No			110	Each	3.0000	1.0000			



6" Mirror

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST228

3

3

53992

110

Each

9.0000

1.0000

D2012-105



Arm

Manufactured

No

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST229

9

9

52669

110

Each

42.0000

1.0000

D2012-107



Clevis

Manufactured

No

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST004

42

33585

2

40274

16

46634

24

B56795

52609

46634

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Required Date: 3/12/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2012-111		Manufactured	No			110	Each	29.0000	1.0000			
Bracket												

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST004	29	
40148	29	

D2012-115

Manufactured No

110

29

Each

69.0000

1.0000

Bracket, Clevis

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST004	69	
25581	69	

D2022-101

Manufactured No

110

69

Each

370.0000

2.0000

Spacer

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST504	370	
45885	170	
50746	100	
52325	100	

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Required Date: 3/12/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------



Bracket

Warehouse Location	Loc Qty	Loc Code
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Main Warehouse

ST244A

24

48560

24

110

Each

16.0000

1.0000



48560

D3635-1



Gasket

Warehouse Location	Loc Qty	Loc Code
-----------------------	---------	----------

Main Warehouse

ST

16

52914

16

110

Each

70.0000

2.0000



52914

D3635-3



Gasket

Warehouse Location	Loc Qty	Loc Code
-----------------------	---------	----------

Main Warehouse

ST076

70

56399

70

56399

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Start Date: 3/10/2010

Required Date: 3/12/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3646-1		Manufactured	No			110	Each	11.0000	1.0000			



Arm

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST229	11	
52659	5	
53892	6	

52659

D3646-3



Arm

Manufactured No

110 Each 18.0000

1.0000

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST229	18	
51615	4	
52668	8	
53893	6	

53893

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Parent Item: D350-561-141



Parent Item Name: Single Cargo Mirror Assembly

Start Date: 3/10/2010

Required Date: 3/12/2010

Comments: IPP A 07.07.26 new issue (DSI9379) EC verified by:JLM IPP rev
B 10.02.16 per ecn 10-523 EC verified by: DD

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D4070-041		Manufactured	No			110	Each	99.0000	2.0000			



Clamp

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

1

56209

1

Main Warehouse

ST460

98

56381

98

AN3-4A

Purchased

No

110

Each

1,920.000

3.0000

56381



Bolt

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST350

1920

104214

393

104291

300

104322

200

104374

200

104625

300

104817

527

1104214

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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B 10.02.16 per ecn 10-523 EC verified by: DD

Start Date: 3/10/2010

Required Date: 3/12/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------



Bolt

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST351	312	
112082	7	
112513	9	
112720	1	
113149	85	
113288	10	
113359	200	



Bolt

Purchased

No

110 Each

161.0000 3.0000

Warehouse Location	Loc Qty	Loc Code
Main Warehouse		
ST356	161	
100089	6	
109061	9	
110844	7	
112933	39	
114108	100	

M113288

M112933

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B 10.02.16 per ecn 10-523 EC verified by: DD

Start Date: 3/10/2010

Required Date: 3/12/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN4-10A		Purchased	No			110	Each	118.0000	1.0000			
Bolt												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST356	118	
103962	4	
108986	9	
111425	55	
113422	50	

AN960JD10 NA51149 003635



Washer

AN960JD416



Washer

NA51149 004635 Q5-1 017

LC

M114425

M113288

M113706

LC

P 14/2/10

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21042L3		Purchased	No			110	Each	2,353.000	4.0000			

Nut

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST300	2353	
110844	35	
111274	27	
111668	58	
112314	285	
112385	228	
113523	20	
113537	700	
113644	1000	

m112385

MS21042L4

Purchased

No

110 Each

2,358.000 4.0000

Nut

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST300	2358	
102552	6	
104248	6	
110507	184	
111827	186	
113422	976	
114108	1000	

m111827

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-561 REV. C

REF. CANADIAN STC: SH91-20 ISSUE 2

REF. FAA STC: SH856NE

To reduce vibration, Dart has developed the D350-561-141/-143 Mirror Installations to replace the D350-561-041/-043 Mirror Installations. For customers with D350-561-041/-043 Mirror Installations at CHG 005 or earlier who would like to upgrade their installation, the DSI 9379-011 Upgrade Kit can be obtained from Dart. The components for DSI 9379-011 Kit are as defined in Section 1.0 below.

Customers upgrading their installation from D350-561-041/-043 to D350-561-141/-143 should follow instructions given in Figures 1 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

Customers who are installing a D350-561-141/-143, should refer to Figures 2 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

This service instruction details the D350-561-141/-143 kits at CHANGE 003 or later, which use D4070-041 Clamps (replaces MS21919WDG7 clamps). For -141/-143 kits at earlier change numbers, the DSI-9379-013 Upgrade kit is available to replace the mil-spec clamps with more robust D4070-041 Clamps.

1.0 PARTS LIST

Qty -141	Qty -143	Qty -045	Qty -011	Qty -013	Part Number	Description
X	1				D350-561-141	SINGLE MIRROR INSTALLATION (REPLACES -041)
	X				D350-561-143	DUAL MIRROR INSTALLATION (REPLACES -043)
	1	X			D350-561-045	MIRROR KIT
			X		DSI-9379-011	UPGRADE KIT
				X	DSI-9379-013	UPGRADE KIT
1		1			D2011-101	MIRROR
1					D2012-105	ARM
1					D2012-107	CLEVIS
1					D2012-111	BRACKET
		2			D2012-113	CLAMP
1					D2012-115	BRACKET
2					D2022-101	SPACER
1*		1*			D3014-1	LOCKNUT
1			1		D3629-1	BRACKET
1			1		D3635-1	GASKET
2			2		D3635-3	GASKET
1			1		D3646-1	ARM
1			1		D3646-3	ARM
2			2	2	D4070-041	CLAMP
3			3		AN3-4A	BOLT
1					AN3-6A	BOLT
3			2	2	AN4-5A	BOLT
1					AN4-10A	BOLT
8			6		AN960JD10	WASHER
8			4	4	AN960JD416	WASHER
1*		1*			AN960JD416L	WASHER
4			3		MS21042L3	NUT (OR MS21042-3)
4			2	2	MS21042L4	NUT (OR MS21042-4)

*INCLUDED AS PART OF D2011-101 MIRROR

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *D. Shepherd*
D. SHEPHERD (DE # 02)

DATE: 10.02.12
CERT. NO.: SH91-20
ISSUE NO.: 2

C	D4070-041 WAS MS21919WDG7	CP	10.02.12
B	MS21919WDG7 WAS MS21929WDG7	DC	07.11.26
A	NEW ISSUE	MB	07.07.10
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9379	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		CARGO MIRROR UPDRAGE KIT	NTS
DATE	10.02.12	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE SOLEMN CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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